



Venue

Historisches Kaufhaus
Münsterplatz 24
79098 Freiburg | Germany



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3rd International Workshop Perspectives on Power to Liquids and Power to Chemicals 2020

Scientific Organisation



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Registration and Workshop Fee

Registration is organised by PSE Conferences & Consulting GmbH online at XY.
Number of participants is limited. Registration fee is € XY for all participants. Dinner Fee is € 50.00 (incl. 19% VAT). Payment has to be done in advance via credit card during online registration.

Accommodation

Hotels with special rates for guests of Fraunhofer ISE (Keyword: "Fraunhofer ISE"):

- BEST WESTERN PREMIER Hotel Victoria (www.hotel-victoria.de)

For registration assistance, please contact XY.



May 25th-27th, 2020
Freiburg | Germany

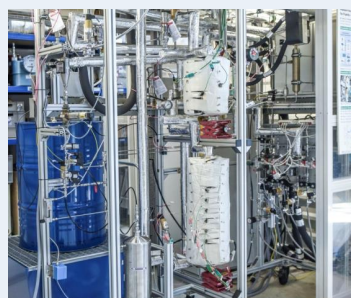


Introduction

As a follow-up to the *Perspectives on Power-to-Liquids and Power-to-Chemicals* workshops in 2016 and 2018, this years edition will bring together again relevant stakeholders from academia, industry and politics to discuss, advance and highlight synergies between the growing renewable power generation, H₂ production and CO₂ utilisation targeting at the production of energy carriers, fuels and chemicals. A strong focus will be put on the development and application of technologies leading to products with different sectoral/industrial relevance (e.g. methanol, DME, OME, etc.). The workshop provides a platform for the latest insights on these closely intertwined topics with perspectives between scientific progress and successful market introduction. An evening event in Freiburg will provide an excellent networking opportunity, whilst a tour of the state-of-the-art facilities at the Fraunhofer ISE campus will complement the workshop and discussions. We look forward to welcoming you in Freiburg.



Solar H₂ Filling Station at Fraunhofer ISE



Methanol Miniplant at Fraunhofer ISE

Get Together | May 25th, 2020

Programme | May 26th, 2020

Registration

8:00 **Historisches Kaufhaus**
Münsterplatz 24 | 79098 Freiburg | Germany

Welcome Address and Introduction | Dr. Christopher Hebling

09:00 **The Role of Sector Coupling in an Integrated Energy System**
Prof. Hans-Martin Henning | Director, Fraunhofer ISE
Dr. Christopher Hebling | Director, Division Hydrogen Technologies

Session 1: Global Picture & Setting the Scene | tbd

09:20 N.N. | Federal Ministry for Economic Cooperation and Development | Germany

09:45 **Synthetic Fuels as Critical Element in Renewable Energy Strategies**
Prof. Robert Schlögl | Director MPI-CEC & FHI-MPG | Germany

10:10 **Power to X in the United States**
N.N. | National Renewable Energy Laboratory (NREL) | United States of America

10:35 **Coffee Break**

11:05 **Power to Fuels – Japanese Perspective**
N.N. | National Institute of Advanced Industrial Science and Technology (AIST) | Japan

11:30 **Power to X – Perspective for Australia**
N.N. | Woodside Energie | Australia tbc

11:55 **Assessment of Hydrogen Based Liquid Energy Carrier Pathways**
Christoph Hank | Fraunhofer Institute for Solar Energy Systems ISE | Germany

12:20 **Lunch**

Session 2: Hydrogen/CO₂ Logistics and Synthesis | tbd

13:45 **Direct Air Capture**
N.N. | Carbon Engineering Limited | Canada tbc

14:10 **Future World Scale Hydrogen Production**
N.N. | BASF SE | Germany tbc

14:35 **Power to X in Steel Industry: Carbon2Chem® – Status and Perspectives**
N.N. | Thyssenkrupp AG | Germany

15:00 **Power to X – Perspective for Fischer-Tropsch Synthesis**
N.N. | Sasol Limited | South Africa tbc

15:25 **Coffee break**

Session 3: Fuels & Combustion | tbd

16:00 **Synthetic Fuels in Combustion Engines**
Prof. Gennadi Zikoridse | Director Forschungsinstitut Fahrzeugtechnik (FiF) | Germany tbc

16:25 **Perspectives of Synthetics Fuels in the Maritime Market**
N.N. | ABB Turbo Systems Limited | Switzerland tbc

16:55 **Perspectives of Synthetics Fuels in Air Crafts**
N.N. | Airbus S.A.S. | France tbc

17:20 **Summary and Final Statements of all Speakers** | Fraunhofer ISE

18:00

19:30 **Networking Event and Dinner**
Peterhofkeller | Niemensstraße 10, 79098, Freiburg

Programme | May 27th, 2020

9:00 **Tour of Fraunhofer ISE Facilities**
Bus transfer

14:00 **Start of Gigaton Workshop organized by NREL, AIST and Fraunhofer ISE**